

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(kernco01.010)**

**Applicant: Adam Laiacano**

**Confirmation No.: 9274**

**Application No: 10/579,949**

**Group Art Unit: 2817**

**Filed: 5/22/2006**

**Examiner: Kinkead, Arnold M**

**Title: Improved optically excited atomic frequency standard**

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Commissioner for Patents  
Alexandria, VA 22313-1450

**Amendment under 37 CFR 1.111**

Dear Sir:

In response to the Office Action of September 21, 2007, Applicants submit the following remarks:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.